

(C) WPI / DERWENT

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CPY - MITU

DC - A23 A88 E19 Q62

DR - 0973-U

FS - CPI;GMP

IC - C08K5/52 ; C08L77/00 ; F16C33/20

MC - A05-F01E2 A07-A04E A08-A01 A10-E01 A12-H03 E05-G E10-E02U E10-G02H1

M3 - [01] B415 B515 B701 B713 B720 B813 B815 B831 G001 G002 G010 G011 G012
 G013 G019 G020 G021 G022 G029 G040 G100 G111 G112 G221 G299 M121 M122
 M124 M129 M148 M149 M210 M211 M212 M213 M214 M215 M216 M220 M221 M222
 M223 M224 M225 M226 M231 M232 M233 M240 M272 M280 M281 M282 M283 M320
 M411 M510 M520 M530 M531 M532 M533 M540 M620 M781 M903 M904 Q130 Q622;
 9734-C5101-U

- [02] F012 F014 F015 F016 F019 F022 F029 F163 F199 F580 G017 G019 G100
 H102 H121 H4 H401 H402 H404 H441 H442 H444 H582 H592 H599 H8 J011 J012
 J014 J271 J272 J273 L910 L999 M123 M143 M210 M211 M214 M220 M222 M225
 M231 M233 M240 M271 M272 M281 M282 M283 M312 M314 M315 M320 M321 M322
 M323 M332 M333 M334 M342 M344 M372 M373 M383 M391 M392 M393 M413 M414
 M510 M520 M521 M522 M531 M532 M533 M540 M781 M903 M904 Q130 Q622;
 00212 00262 01649; 9734-C5102-U

- [03] G017 G019 G100 H4 H402 H442 H8 M1 M121 M132 M150 M210 M211 M214
 M233 M240 M283 M311 M321 M342 M414 M510 M520 M532 M540 M781 M903 M904
 Q130 Q622; 9734-C5103-U

- [04] H5 H598 H9 J0 J012 J2 J272 M210 M211 M212 M213 M214 M215 M216
 M220 M221 M222 M223 M224 M225 M226 M231 M232 M233 M272 M282 M312 M322
 M332 M342 M349 M381 M392 M416 M620 M781 M903 M904 Q130 Q622;
 9734-C5104-U

PA - (MITU) MITSUBISHI CHEM CORP

PN - JP3568663B2 B2 20040922 DW200462 C08L77/00 009pp

- JP9157520 A 19970617 DW199734 C08L77/00 006pp

PR - JP19950324400 19951213

XA - C1997-118964

XIC - C08K-005/52 ; C08L-077/00 ; F16C-033/20 ; (C08L-023/26 C08L-077/00)

XP - N1997-307125

AB - J09157520 A polyamide resin composition (X) comprises (A) 90-50 wt.% a
 mouldable polyamide resin; (B) 10-50 wt.% of a master batch resin
 prepared by kneading 10-99 wt.% of a modified polyolefin and 1-90 wt.%
 of the polyamide resin (A) and/or a polyamide resin having a lower
 m.pt. than that of (A); and (C) 0.001-5 pts. wt. (w.r.t. 100 pts. wt.
 of (A)+(B)) of a phosphite, phosphate, or phenolic stabiliser or a
 sulphur heat stabiliser.

- Also claimed is a sliding part prepared by moulding (X).

- Preferably the master batch resin (B) has a content of in-soluble gel
 measured by the hot xylene extraction for 10 hours of 10-90 wt.%. An
 inorganic filler (D) is mixed in (X). (A) is e.g. "Polyamide" 66
 (RTM) (A-1) having a m.pt. of 265 deg. C. The modified polyolefin in
 (B) is e.g. "MMHD" (RTM: maleic anhydride-modified polyethylene)
 (B-1).

- USE - (X) is used for sliding parts such as oilless bearings and
 gears.

- ADVANTAGE - (X) has a high wear resistance, dimensional stability and
 mould deposit resistance.

- (Dwg.0/0)

C - C08L23/26 C08L77/00

CN - 9734-C5101-U 9734-C5102-U 9734-C5103-U 9734-C5104-U

IW - POLYAMIDE RESIN COMPOSITION HIGH WEAR RESISTANCE COMPRISE POLYAMIDE

BEST AVAILABLE COPY

MASTER BATCH POLYOLEFIN POLYAMIDE PHOSPHITE PHOSPHATE PHENOLIC
STABILISED
IKW - POLYAMIDE RESIN COMPOSITION HIGH WEAR RESISTANCE COMPRISE POLYAMIDE
MASTER BATCH POLYOLEFIN POLYAMIDE PHOSPHITE PHOSPHATE PHENOLIC
STABILISED

NC - 001

OPD - 1995-12-13

ORD - 1997-06-17

PAW - (MITU) MITSUBISHI CHEM CORP

RRL - 00212 00262 01649

TI - Polyamide resin composition with high wear resistance - comprises
polyamide, master batch of polyolefin and polyamide, and phosphite,
phosphate or phenolic stabiliser

A01 - [001] 018 ; P0691 P1934 P0635 F70 D01 D11 D10 D50 D92 E13 E00 ;
S9999 S1434 ;

- [002] 018 ; ND04 ; K9745-R ; N9999 N6440-R ; Q9999 Q7885-R ;
Q9999 Q7896 Q7885 ; B9999 B5367 B5276 ; B9999 B5287 B5276 ; B9999
B3758-R B3747 ; B9999 B3383-R B3372 ; B9999 B3485-R B3372 ; N9999
N6326 ; ND07 ; K9892 ; N9999 N6439 ; K9449 ;

- [003] 018 ; F52 F53 S- 6A F30-R ; A999 A511 A486 ;

- [004] 018 ; G2891 D00 Si 4A ; A999 A237 ; A999 A419 ; S9999
S1070-R ;

A02 - [001] 018 ; R00326 G0044 G0033 G0022 D01 D02 D12 D10 D51 D53 D58 D82 ;
H0000 ; M9999 M2062 ; M9999 M2299 ; M9999 M2368 ; S9999 S1434 ;
P1150 ; P1161 ;

- [002] 018 ; ND04 ; K9745-R ; N9999 N6440-R ; Q9999 Q7885-R ;
Q9999 Q7896 Q7885 ; B9999 B5367 B5276 ; B9999 B5287 B5276 ; B9999
B3758-R B3747 ; B9999 B3383-R B3372 ; B9999 B3485-R B3372 ; N9999
N6326 ; ND07 ; K9892 ; N9999 N6439 ; K9449 ;

- [003] 018 ; R00843 G0760 G0022 D01 D23 D22 D31 D42 D51 D53 D59 D65
D75 D84 F39 E00 E01 ; H0226 ;

- [004] 018 ; F52 F53 S- 6A F30-R ; A999 A511 A486 ;

- [005] 018 ; G2891 D00 Si 4A ; A999 A237 ; A999 A419 ; S9999
S1070-R ;

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